

INFORMATION DISCLOSURE  
CITATION

ATTY. DOCKET NO.

2370-84

APPLICANT

Michael S. Roberts, et al

FILING DATE

January 15, 2002

SERIAL NO.

10/044,955

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION NO
TB 0 292 293 A2	11/1988	EP			
<del>0 292 293 A3</del>	<del>11/1988</del>	<del>EP</del>			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

TB	G.S. Reddy et al; "Use of BHK Cell Culture-Adapted Newcastle Disease Virus for Immunization of Chicks"; 1992; XP-002237247 (Abstract).
TB	G.S. Reddy et al; "Comparison of Two Experimental Binary Ethylenimine Bei Inactivated Newcastle Disease Oil-Emulsion Vaccines"; 1991; XP-002237248 (Abstract).
TB	J. Gelg Jr. et al; "Pathogenicity and Cross-Protection of Pigeon Paramyxovirus 1 and Newcastle Disease Virus in Young Chickens"; (1987); XP-002237249 (Abstract).
TB	M.A. Shuaib et al; "Studies on the Development of Pelleted Newcastle Disease Virus Vaccine"; (1985); XP-002237250 (Abstract).
TB	M.A. Al Imadi et al; "The Susceptibility of Domestic Waterfowl to Newcastle Disease Virus and Their Role in its Spread"; (1982) (Rec'd 1983); XP-002237251 (Abstract).
TB	B. Rivetz et al; "Enzymatic Changes in Serum and Tissues in Fowl Infected with a Neurotropic Mesogenic Strain of Newcastle Disease Virus"; (1982); XP-002237252 (Abstract).
TB	B. Lomniczi; "Properties of Nonneurovirulent Plaque Forming Mutants of Newcastle Disease Virus"; (1976); XP-002237253 (Abstract).
TB	D.Y. Perey et al; "Host Resistance Mechanisms to Newcastle Disease Virus in Immunodeficient Chickens" (38540); (1975); XP-002237254 (Abstract).
TB	I. Szeri, et al; "Effect of Microbial Immunomodulants on the Course of LCMV Infection in Old Mice with Thymus Involutin"; (1992); XP-002237255 (Abstract).
TB	P.B. Spradbrow et al; "Oral Newcastle Disease Vaccination with V4 Virus in Chickens"; Aust. Vet. J., (1991) vol. 68, no. 3, pp. 114-115; XP-002237256; (Abstract).
TB	E.I. Ugochukwu; "Caecal Coccidiosis in Chicks Following Intramuscular Vaccination Against Newcastle Disease"; Bull. Anim. Health Prod. Afr., (1982) vol. 30, no. 4, pp. 353-357; XP-002237257; (Abstract).
TB	W. Leuthgen; "Detection of Antibodies in the Tracheal Exudate of Chicken After Infection with Newcastle Virus"; Immunologie (1972), 144(3), 273-80; XP-002237258 (Abstract).
	Hanson et al; "Identification of Vaccine Strains of Newcastle Disease Virus"; Science, vol. 156, 1955, pp. 156-157; XP002237246.

\*Examiner

Date Considered

Examiner: Initial If reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TB	5,602,023	2/1997	Csatary			
TB	5,124,148	6/1992	Csatary et al			
TB	5,677,178	10/1997	McCormick			
TB	6,110,461	8/2000	Lee et al			
TB	5,215,745	6/93	CSATARY, et al			
TB	5,273,745	12/93	SCHIRRMACHER			
TB	5,585,096	12/96	MARTUZA, et al			

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
96/26285	8/1996	WO			
94/19022	9/1994	WO			X
99/18799	4/1999	WO			
99/45788	9/1999	WO			
96/34625	11/1996	WO			
00/62735	10/2000	WO			
99/08692	2/1999	WO			
94/25627	11/94	WO			
WO 93/18790	9/30/1993	PCT			
WO 86/00811	2/13/1986	PCT			
WO 86/00529	1/30/1986	PCT			
WO 99/29343	6/17/1999	PCT			
WO 99/55345	11/4/1999	PCT			
WO 00/45853	8/10/2000	PCT			
0 564 121 A2	10/6/1993	EP			
1,069,144	5/17/1967	Great Britain			
WO 99/04026	1/28/1999	PCT			
WO 99/18799	4/22/1999	PCT			
WO 97/26904	7/31/1997	PCT			
WO 96/03997	2/15/1996	PCT			
WO 95/32706	12/7/1995	PCT			
WO 89/07445	8/24/1989	PCT			
WO 97/01358	1/97	PCT			
WO 97/04805	2/97	PCT			
WO 94/18992	9/94	PCT			
JP (A) 58-116422	7/83	Japan			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

Sinkovics et al, "New Developments in the Virus Therapy of Cancer: A Historical Review," Intervirology, Vol. 36, pp. 193-214 (1993).

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GROUP

January 15, 2002

(Use several sheets if necessary)

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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) continued...**

XP-002164069, Horvath et al, "Comparison of oncolytic Newcastle Disease Virus strains," Cancer Institute, St. Joseph's Hospital, Tampa, Florida).

Restifo et al, "A Nonimmunogenic Sarcoma Transduced with the cDNA...", The Journal of Experimental Medicine, Vol. 175, pp. 1423-1431 (1992).

Beattie et al, "Host-Range Restriction of Vaccinia Virus...", Virus Genes, Vol. 21, No. 1, pp. 89-94 (1996).

Arroyo et al, "Active specific immunotherapy with vaccinia colon...", Cancer Immunol Immunother, Vol. 31, pp. 305-311 (1990).

Yu et al, "Antiviral action of interferon- $\beta$  on ...," Med Microbial Immunol, Vol. 184, pp. 45-52 (1995).

Nickels et al, "Identification of an amino acid change that affects...", Journal of General Virology, Vol. 75, pp. 3591-3595 (1995).

Schubert et al, "Primary Structure of the Vesicular...", Journal of Virology, Aug. 1984, pp. 505-514.

Balachandran et al, "Activation of the dsRNA-dependent protein...", The EMBO Journal, Vol. 17, No. 23, pp. 6888-6902 (1998).

Durbin et al, "Targeted Disruption of the Mouse *Stat1* Gene Results...", Cell, Vol. 84, pp. 443-450 (1996).

Stojdl et al, "Exploiting tumor-specific defects in the interferon pathway...", Nature Medicine, Vol. 6, No. 7, pp. 821-825 (2000).

Balachandran et al, "Vesicular Stomatitis Virus...", Life, Vol. 50, pp. 135-138 (2000).

Francoeur et al, "The Isolation of Interferon-Inducing Mutants of ...," Virology, Vol. 160, pp. 236-245 (1987).

Database CAPLUS, on STN Columbus (OH): chemical abstract service, DN 116: 104333, CN 1054192 A, Zhang, B. "Attenuated new castle disease virus for induction of interferons to combat neoplasm or viral diseases." Abstract, 09 April 1991.

Gresser et al. Exogenous Interferon and Inducers of Interferon in the Treatment of Balb/c Mice Inoculated with RC19 Tumor Cells. Nature. 223 August 1969, Vol. 223, pages 844-845, see entire document.

Rosenbergova et al, "Purification of Newcastle Disease...", Acta virol, Vol. 25, pp. 31-35 (1981).

Maeda et al, "Isolation and Characterization of Defective Interfering...", Microbiol. Immunol., Vol. 22, No. 12, pp. 775-784 (1978).

Strube et al, "Sensitivity of ortho- and paramyxovirus replication to human interferon  $\alpha$ ," Molec. Biol. Rep., Vol. 10, pp. 237-243 (1985).

HASHIRO, G., et al, Archives of Virology 54, 307-315 (1977) "The Preferential Cytotoxicity of Reovirus for Certain Transformed Cell Lines"

Lorence, R.M., et al, Cancer Research, 54: 6017-6021, December 1, 1994 "Complete Regression of Human Fibrosarcomaj Xenografts after Local Newcastle Disease Virus Therapy"

Database CAPLUS, on STN Columbus (OH): chemical abstract service, DN 116: 104333, CN 1054192 A. ZHENG, B., "Attenuated new castle disease virus for induction of interferons to combat neoplasm or viral diseases," Abstract, 09 April 1991

GRESSER, et al, "Exogenous Interferon and Inducers of Interferon in the Treatment of Balb/c Mice Inoculated with RC19 Tumor Cells," Nature, 23 August 1969, Vol. 223, pps. 844-845

CSATARY, L.K., et al, Orvosi Hetilap 131: 2585-2588, 1990, "Virus Vaccines For The Tratment of Cancer"

Eck et al, "Gene-Based Therapy," Goodman & Gilman's The Pharmacological Basis of Therapeutics, 9<sup>th</sup> Edition, chapter 5.

Verma et al, "Gene-Based Therapy-Promises, Problems and Prospects," Nature, Vol. 389, pp. 239-242.

Kim, D.H., et al, MOLECULAR MEDICINE TODAY, December 1996, p. 519-527, "Replicating Viruses as Selective Cancer Therapeutics,"

Heise, C., et al, NATURE MEDICINE, Vol. 3, No. 6, June 1997, p. 639-645 "ONYX-015, an E1B gene-attenuated adenovirus, causes tumor-specific cytolysis and antitumoral efficacy that can be augmented by standard chemotherapeutic agents"

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GROUP

January 15, 2002

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) continued...**

- Zhang, Jian-Feng, et al, *PROC. NATL. ACAD. SCI.*, Vol. 93, pp. 4513-4518, April 1996, "Treatment of a human breast cancer xenograft with an adenovirus vector containing an interferon gene results in rapid regression due to viral oncolysis and gene therapy"
- Katze, Michael G., *TRENDS IN MICROBIOLOGY*, Vol. 3, No. 2, February 1995, pp. 75-78, "Regulation of the interferon-induced PKR: can viruses cope?"
- Maheshwari, Rada K., et al, *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*, Vol. 117, No. 1, 1983, November 30, 1983, pp 161-168, "Low Infectivity of Vesicular Stomatitis Virus (VSV) Particles Released from Interferon-Treated Cells is Related to Glycoprotein Deficiency"
- Chou, Joany, et al, *PROC. NATL. ACAD. SCI. USA*, Vol. 92, pp. 10516-10520, November 1995, "Association of a Mr 90,000 phosphoprotein with protein kinase PKR in cells exhibiting enhanced phosphorylation of translation ...herpes simplex virus 1"
- Xu, Bo, et al, *BLOOD*, Vol. 84, No. 6, September 15, 1994, pp 1942-1949, "Primary Leukemia Cells Resistant to  $\gamma$ -Interferon In Vitro are Defective in the Activation of the DNA-Binding Factor ...Factor 3"
- Petricoin III, Emanuel, et al, *MOLECULAR AND CELLULAR BIOLOGY*, Vol. 14, No. 2, Feb. 1994, pp. 1477-1486 "Human Cancer Cell Lines Express a Negative Transcriptional Regulator of the Interferon Regulatory Factor Family of DNA Binding Proteins"
- Symons, Julian A., et al, *CELL*, Vol. 81, pp. 551-560, May 19, 1995, "Vaccinia Virus Encodes a Soluble type I Interferon Receptor of Novel Structure and Broad Species Specificity"
- Linge, Claire, et al, *CANCER RESEARCH* 55, PP. 4099-4104, September 15, 1995, "Interferon System Defects in Human Malignant Melanoma"
- Machida, Haruhiko, et al, *MICROBIOL. IMMUNOL.*, Vol. 23 (7), 643-650, 1979, "Effect of Nucleosides on Interferon Production and Development of Antiviral State Induced by Poly I ! Poly C"
- Tanaka, Nobuyuki, et al, *CELL*, Vol. 77, 829-839, Jun 17, 1994, "Cellular Commitment to Oncogene-Induced Transformation or Apoptosis Is Dependent on the Transcription Factor IRF-1"
- SCIENCE*, Vol. 274, October 18, 1996, pp. 342-343, "Will a Twist of Viral Fate Lead to a New Cancer Cure?"
- Bischoff, James R., et al, *SCIENCE*, Vol. 274, October 18, 1996, pp. 373-376, "An Adenovirus Mutant That Replicates Selectively in p53-Deficient Human Tumor Cells"
- Andreansky, Samita S., et al, *PROC. NATL. ACAD. SCI. USA*, Vol. 93, pp. 11313-11318, October 1996 Colloquium Paper, "The application of genetically engineered herpes simplex viruses to the treatment of experimental brain tumors"
- Gastl, Guenther, et al, *CANCER RESEARCH* 52, pp.6229-6236, November 15, 1992, "Retroviral Vector-mediated Lymphokine Gene Transfer into Human Renal ...Cells"
- Buller, R. Mark L., et al, *VIROLOGY* 164, 182-192 (1988), "Cell Proliferative Response to Vaccinia Virus Is Mediated by VGF"
- Child, Stephanie J., et al, *VIROLOGY*, 174, 625-629 (1990), "Insertional Inactivation of the large Subunit of Ribonucleotide Reductase Encoded by Vaccinia Virus Is Associated with Reduced Virulence *In Vivo*"
- Restifo, Nicholas P., et al, *THE JOURNAL OF EXPERIMENTAL MEDICINE*, Vol. 175, June 1992, pp. 1423-1431, "A Nonimmunogenic Sarcoma Transduced with the cDNA for Interferon ( Elicits CD8+ T Cells against the Wild-type Tumor...Presentation Capability"
- Buller, R.M.L., et al, *NATURE*, Vol. 317, October 31, 1985, pp.813-815, "Decreased virulence of recombinant vaccinia virus expression vectors is associated with a thymidine kinase-negative phenotype"
- Haines, G.K., et al, *VIRCHOWS ARCHIV B CELL PATHOL.* (1993) 63:289-295, "Correlation of the expression of double-stranded RNA-dependent protein kinase (p68) with differentiation in head and neck squamous cell carcinoma"
- James, C. David, et al, *CANCER RESEARCH*, 51, pp. 1684-1688, March 15, 1991, "Chromosome 9 Deletion Mapping Reveals Interferon  $\gamma$  and Interferon  $\beta$ -1 Gene Deletions in Human Glial Tumors"



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GROUP

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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) continued...**

	Arroyo, Pedro J., et al, <i>CANCER IMMUNOL IMMUNOTHER.</i> (1990) 31:305-311, "Active specific immunotherapy with vaccinia colon oncolysate enhances the immunomodulatory and antitumor effects of interleukin-2 and inteferon $\gamma$ in a murine hepatic metastasis model"
	Zhang, Wei-Wei, et al, <i>CANCER GENE THERAPY</i> , Vol. 1, No. 1, 1994: pp. 5-13 "High-efficiency gene transfer and high-level expression of wild-type p53 in human lung cancer cells mediated by recombinant adenovirus"
	Korth, Marcus, J., et al, <i>GENE</i> , 170 (1996) 181-188, "Cloning, expression, and cellular localization of the oncogenic 58-kDa inhibitor of the RNA-activated human and mouse protein kinase"
	Barber, Glen N., et al, <i>PROC. NATL. ACAD. SCI. USA</i> , Vol. 91, pp. 4278-4282, May 1994 Biochemistry, "The 58-kilodalton inhibitor of the interferon-induced double-stranded RNA-activated protein kinase is a tetratricopeptide repeat protein with oncogenic properties"
	Mathews, Michael B., et al, <i>JOURNAL OF VIROLOGY</i> , Vol. 65, No. 11, Nov. 1991, p. 5657-5662, "Adenovirus Virus-Associated RNA and Translation Control"
	Imani, Farhad, et al, <i>PROC. NATL. ACAD. SCI. USA</i> , Vol. 85, pp. 7887-7891, November 1988 Biochemistry, "Inhibitory activity for the interferon-induced protein kinase is associated with the reovirus serotype ...protein"
	Tanaka, Nobuyuki, et al, <i>JOURNAL OF IMMUNOTHERAPY</i> , Vol. 16, No. 4 (1994) pp. 283-293, "Immunotherapy of a Vaccinia Colon Oncolysate Prepared with Interleukin-2 Gene-Encoded Vaccinia Virus and Interferon- $\gamma$ Increases the Survival of Mice Bearing Syngeneic Colon Adenocarcinoma"
	Csatary M.D., Laszlo K., et al, <i>CANCER DETECTION AND PREVENTION</i> , 17(6):619-627 (1993), "Attenuated Veterinary Virus Vaccine for the Treatment of Cancer"
	Agent Cassel Ph.D, William A., et al, <i>CANCER</i> , Vol. 18, No. 7, pp. 863-868, July 1965, "Newcastle Disease Virus As An Antineoplastic"
	Schirmmcher, V., et al, <i>INSTITUT FOR IMMUNOLOGIC UND GENETIK AM DEUTSCHEN KREBSFORSCHUNGSZENTRUM</i> , 6900 HEIDELBERG, GERMANY, pp. 19-49, March 13, 1986, "Successful application of non-oncogenic viruses for antimetastatic cancer immunotherapy"
	Lorence, Robert M., et al, <i>JOURNAL OF THE NATIONAL CANCER INSTITUTE</i> , Vol. 80, No. 16, October 19, 1988, pp. 1305-1312, "Newcastle Disease Virus as an Antineoplastic Agent: Induction of Tumor Necrosis Factor- $\gamma$ and Augmentation of Its Cytotoxicity"
	Reichard, Kirk W., et al, <i>JOURNAL OF SURGICAL RESEARCH</i> , 52, 448-453 (1992), "Newcastle Disease Virus Selectively Kills Human Tumor Cells"
	Eaton, Monroe D., et al, <i>JOURNAL OF THE NATIONAL CANCER INSTITUTE</i> , Vol. 39, No. 6, December 1967, pp. 1089-1097, "Contribution of Antiviral Immunity to Oncolysis by Newcastle Disease Virus in a Murine Lymphoma"
	Beverley, P.C., et al, <i>INT. J. CANCER</i> , 11, 212-223 (1973), "Immune Responses In Mice To tumour Challenge After Immunization With NewCastle Disease Virus-Infected or X-Irradiated Tumour Cells or Cell Fractions"
	Shoham, Jacob, et al, <i>NAT. IMMUN. CELL GROWTH REGUL.</i> , 1990; 9:165-172, "Augementation of Tumor Cell Immunogenicity by Viruses - An Approach to Specific Immunotherapy of Cancer"
	Bart, Robert S., et al, <i>NATURE NEW BIOLOGY</i> , Vol. 245, No. 147, October 24, 1973, pp.229-230, "Role of Interferon in the Anti-Melanoma Effects of Poly(I).Poly (C) and Newcastle Disease Virus"
	Sinkovics, Joseph, et al, <i>INTERVIROLOGY</i> , 1993, 36:193-214, "New Developments in the Virus Therapy of Cancer: A Historical Review"
	Murray, Douglas R., et al, <i>CANCER</i> , August 1977, Vol. 40, No. 2, pp. 680-686, "Viral Oncolysate in the Management of Malignant Melanoma"
	Cassel, William A., <i>CANCER</i> , 52:856-860, Sept. 1, 1983, "A Phase II Study on the Postsurgical Management of Stag Malignant Melanoma With a Newcastle Disease Virus Oncolysate"
	Cassel, William A., <i>MED. ONCOL. &amp; TUMOR PHARMACOTHER.</i> , Vol. 9, No. 4, pp. 169-171, 1992, "A Ten-Year Follow-up on Stage II Malignant Melanoma Patients Treated Postsurgically with New Castle Disease Virus Oncolysate"

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, etc.) continued...

- Bohle, MD, Wolfran, et al, *CANCER*, Vol. 66, No. 7, pp. 1517-1523, Oct. 1, 1990 "Postoperative Active Specific Immunization in Colorectal Cancer Patients With Virus-Modified Autologous Tumor-Cell Vaccine"
- Eaton, Monroe D., et al, *INFECTION AND IMMUNITY*, Vol. 15, No. 1, Jan. 1977, pp. 322-328, "Autoimmunity Induced by Injection of Virus-Modified Cell Membrane Antigens in Syngeneic Mice"
- Wheelock, M.D., E. Frederick, et al, *THE NEW ENGLAND JOURNAL OF MEDICINE*, Vol. 271, No. 13, Sept. 24, 1964, pp. 645-651, "Observations on the Repeated Administration of Viruses to a Patient with Acute Leukemia"
- THE LANCET*, October 9, 1971, p. 826, "Viruses in the Treatment of Cancer"
- Kenney, Shannon, et al, *JNCL EDITORIAL ISSUE 16*, June 20, 1997, pp. 1-3, June 20, 1997, "Viruses as Oncolytic Agents: a New Age for 'Therapeutic' Viruses?"
- Rodriguez, Ron, et al, *CANCER RESEARCH*, 57, 2559-2563, July 1, 1997, "Prostate Attenuated Replication Competent Adenovirus (ARCA) CN706: A Selective3 Cytotoxic for Prostate-specific Antigen-positive Prostate Cancer Cells"
- Martuza, MD, Robert, *EXAMINER*, October 1995, Georgetown University Medical Center, pp.1-8, "Novel Treatment Approach for Malignant Brain Tumors Developed at Georgetown"
- Mineta, Toshihiro, et al, *NATURE MEDICINE*, Vol. 1, No. 9, Sept. 1995, 938-943, "Attenuated Multi-Mutated Herpes Simplex Virus-1 for the Treatment of Malignant Gliomas"
- Zhenxiang, Huang, et al, *ACTA ACADEMIAE MEDICINE SINICAE*, Vol. 6, No. 3, June 1984, "Studies on Viral Immunotherapy of Ascitic Tumors in Mice. -- I. Results of Treatment on Viruses of Ehrlich and S180 Ascitic Tumor Cells" p. 213-216
- Abstract, 1362, Ganly, et al, *PROCEEDINGS OF ASCO*, Vol. 16 (1997), p. 433a "Phase I Trial of Intratumoral Injection with an E1B-Attenuated Adenovirus, ONYX-015, in Patients with Recurrent p53(-) Head and Neck Cancer"
- Abstract, 1564, Kirn, et al, *PROCEEDINGS OF ASCO*, Vol. 16 (1997), p. 433a "ONYX-015, A Selectively Replicating Adenovirus, Has Antitumoral Activity Following IV Administration Alone and in Combination with Chemotherapy"
- Abstract, 1554, Izbicka, et al, *PROCEEDINGS OF ASCO*, Vol. 16 (1997), p. 433a "Effects of ONYX Adenovirus Preparations on Human Tumor Colony Forming Units"
- Abstract, 2400, Kirn, et al, *PROCEEDINGS FOR THE AMERICAN ASSOCIATION FOR CANCER RESEARCH*, Vol 37, March 1996, p. 352 "ONYX-015 Selectively Replicates in and Lyses Cells Lacking Functional Small p53."
- Field, H.J., et al, *J. HYG., CAMB.*, 81, 267-277, (1978) "The pathogenicity of thymidine kinase-deficient mutants of herpes simplex virus in mice"
- Spriggs, Dale R., et al, *NATURE*, Vol. 297, May 6, 1982, pp 68-70, "Attenuated reovirus type 3 strains generated by selection of haemagglutinin antigenic variants"
- Goldstein, David J., et al, *VIROLOGY*, 166, 41-51 (1988), "Factor(s) present in Herpes Simplex Virus Type 1-Infected Cells Can Compensate for the Loss of the Large Subunit of the Viral Ribonucleotide Reductase: Characterization of an ICP6 Deletion Mutant"
- Perkus, Marion E., et al, *VIROLOGY*, 180, 406-410 (1991), "Deletion of 55 Open Reading Frames from the Termini of Vaccinia Virus"
- Meignier, Bernard, et al, *JOURNAL OF INFECTIOUS DISEASES*, 162: 313-321 (1990), "In Vivo Behavior of Genetically Engineered Herpes Simplex Viruses R7017 and R7020. II. Studies in Immunocompetent and Immunosuppressed Owl Monkeys (*Aotus trivirgatus*)"
- Hughes, Stephen J., et al, *JOURNAL OF BIOLOGICAL CHEMISTRY*, Vol. 266, No. 30, Issue of October 25, 1991, pp. 20103-20109, "Vaccinia Virus Encodes an Active Thymidylate Kinase That Complements a *cdc8* Mutant of *Saccharomyces cerevisiae*"



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GROUP

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## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) continued...

- Kerr, Shona M., et al, THE EMBO JOURNAL, Vol. 10, No. 13, pp. 4343-4350, (1991), "Vaccinia DNA ligase complements Saccharomyces cerevisiae cdc9, localizes in cytoplasmic factories and affects virulence and virus sensitivity to DNA damaging agents"
- Clark, H. Fred, et al, JOURNAL OF INFECTIOUS DISEASES, Vol. 158, No. 3, September 1988, p. 570-587, "Protective Effect of WC3 Vaccine Against Rotavirus Diarrhea in Infants During a predominantly Serotype 1 Rotavirus Season"
- Takafuji, Ernest T., et al, JOURNAL OF INFECTIOUS DISEASES, Vol. 140, No. 1, July 1979, pp.48-53, "Simultaneous Administration of Live, Enteric-Coated Adenovirus Types 4, 7, and 21 Vaccines: Safety and Immunogenicity"
- Taylor, M.W., et al, JOURNAL OF THE NATIONAL CANCER INSTITUTE, Vol. 44, No. 3, March 1970, pp. 515-519, "Virus-Induced Regression of Tumor Growth"
- Beattie, Elizabeth, et al, VIRUS GENES, 12:1, 89-94, 1996, "Host-Range Restriction of Vaccinia Virus E3L-Specific Deletion Mutants"
- Howard, Brad, et al, ANNALS NEW YORK ACADEMY OF SCIENCES, Duke University Medical Center, p. 167-187, "Retrovirus-Mediated Gene Transfer of the Human (-IFN Gene: A Therapy for Cancer"
- Suskind, R.G., et al, US Dept. of Health, Education, & Welfare, N.I.H., National Institute of Allergy and Infectious Diseases, and National Cancer Inst., Bethesda, Md. ONCOLYTIC EFFECT OF COXSACKIE VIRUS, pp. 309-318, "Viral Agents Oncolytic for Human Tumors in Heterologous Host. Oncolytic Effect of Cocksackie B. Viruses." (22932), October 29, 1956
- Bluming, Avrum Z., et al, THE LANCET, July 10, 1971, p. 105-106 "Regression of Burkitt's Lymphoma ... Association With measles Infection"
- Pasquinucci, G., THE LANCET, January 16, 1971, i, 136 "Possible Effect of Measles on Leukaemia"
- Gross, Samuel, THE LANCET, February 20, 1971, p.397-398, "Measles and Leukaemia"
- Shingu, M., JOURNAL OF GENERAL VIROLOGY (1991), 72, 2031-2034, "Therapeutic effects of bovine enterovirus infection on rabbits with experimentally induced adult T cell leukaemia"
- Faaberg, Kay S., et al, JOURNAL OF VIROLOGY, Vol. 62, No. 2, p. 586-593, Feb. 1988, "Strain Variation and Nuclear Association of Newcastle Disease Virus Matrix Protein"
- Holzaepfel, John H., et al, CANCER, May-June 1957, Vol. 10, pp. 577-580, "The Use of APC3 Virus As A Cancericidal Agent"
- Smith, Robert R., MD, et al, CANCER, November-December 1956, Vol. 9, pp. 1211-1218, "Studies on the Use of Viruses in the Treatment of Carcinoma of the Cervix"
- Rukavishnikova, G.E., et al, ACTA VIROL., 20:387-394, 1976, "Some Immunological Mechanisms of the Influenza Virus Antitumour Effect"
- Kalvakolanu, D.V.R., et al, PROC. NATL. ACAD. SCI. USA, Vol. 90, pp. 3167-3171, April 1993, "Differentiation-dependent activation of interferon-stimulated gene factors and transcription factor NF-kB in mouse embryonal carcinoma cells"
- Foy, Teresa M., et al, J. EXP. MED. © The Rockefeller University Press - 0022-1007/93/11/1567/09, Volume 178, November 1993, pp. 1567-1575, "In Vivo CD40-gp39 Interactions are Essential for Thymus-dependent Humoral Immunity. II. Prolonged Suppression of the Humoral Immune jResponse by an Antibody to the Ligand for CD40, gp39"
- Blaese, R.M., et al, EUROPEAN JOURNAL OF CANCER, Vol. 30A, No. 8, pp. 1190-1193, 1994, "In situ Delivery of Suicide Genes for Cancer Treatment"
- Zhang, Jian Feng, et al, CANCER GENE THERAPY, Vol. 3, No. 1, 1996, pp. 31-38, "Gene therapy with an adeno-associated virus carrying an interferon gene results in tumor growth suppression and regression"
- Peplinski, Gary R., et al, ANNALS OF SURGICAL ONCOLOGY, 3(2):15-23, "Prevention of Murine Breast Cancer by Vaccination with Tumor Cells Modified by Cytoline-Producing Recombinant Vaccinia Viruses"
- Cotran, Ramzi S., M.D., et al, ROBBINS PATHOLOGIC BASIS OF DISEASE, 4th Edition, p. 251, "Kinetics of Tumor Cell Growth"

**INFORMATION DISCLOSURE  
CITATION**

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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) continued...**

Schloer, G.M., et al, JOURNAL OF VIROLOGY, Vol. 2, No. 1, Jan. 1968, pp. 40-47, "Relationship of Plaque Size and Virulence for Chickens of 14 Representative Newcastle Disease Virus Strains"

Tait, David L., et al, CLINICAL CANCER RESEARCH, Vol. 3, pp. 1959-1968, November 1997, "A Phase I Trial of Retroviral BRCA1sv Gene Therapy in Ovarian Cancer"

Martuza, Robert L., et al, SCIENCE, Vol. 252, pp. 854-855, May 10, 1991, "Experimental Therapy of Human Glioma by Means of a Genetically Engineered Virus Mutant"

Hanson, R.P., et al, SCIENCE, Vol. 122, pp. 156-157, July 22, 1955, "Identification of Vaccine Strains of Newcastle Disease Virus"

Chambers, Renee, et al, PROC. NATL. ACAD. SCI. USA, Vol. 92, pp. 1411-1415, February 1995, "Comparison of genetically engineered herpes simplex viruses for the treatment of brain tumors in a scid mouse model of human malignant glioma"

Asada, Teruo, MD, CANCER, Vol. 34, pp. 1907-1928, December 1974, "Treatment of Human Cancer with Mumps Virus"

Sreevalsan, Thazepadath, BIOLOGIC THERAPY OF CANCER: PRINCIPLES AND PRACTICE, pp. 347-364, Chapter 14 Biologic Therapy with Interferon- $\alpha$  and  $\beta$ : Preclinical Studies

Stoner, Gary D., et al, NATURE, Vol. 245, October 12, 1973, pp. 319-320, "Effect of Neuraminidase pretreatment on the Susceptibility of Normal and Transformed Mammalian Cells to Bovine Enterovirus 261"

Joklik, W.K., VIROLOGY, Second Edition 1990, pp. 383-410, "Interferons"

Schnell, Matthias, J., et al, CELL, Vol. 90, pp. 849-857, September 5, 1997, "Construction of a Novel Virus that Targets HIV-1-Infected Cells and Controls HIV-1 Infection"

Lorence, Robert M., et al, JOURNAL OF THE NATIONAL CANCER INSTITUTE, Vol. 86, No. 16, August 17, 1994, pp. 1228-1233, "Complete Regression of Human Neuroblastoma Xenografts in Athymic Mice After Local Newcastle Disease Virus Therapy"

Kirchner, H.H., et al, WORLD J UROL. (1995) 13:171-173, "Adjuvant treatment of locally advanced renal cancer with autologous virus-modified tumor vaccines"

Murphy, Frederick A., et al, VIROLOGY, Second Edition, 1990, Chapter 2, pp. 9-35, "Virus Taxonomy"

Csatary, Laszlo K., THE LANCET, October 9, 1971, p. 825, "Viruses in the Treatment of Cancer"

Ahlert, T., et al, CANCER RES. 50 (1990), pp. 5962-5968, "Isolation of a Human Melanoma Adapted Newcastle Disease Virus Mutant with Highly Selective Replication Patterns"

\*Examiner

Date Considered

2/29/04

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[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

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